

CHASE

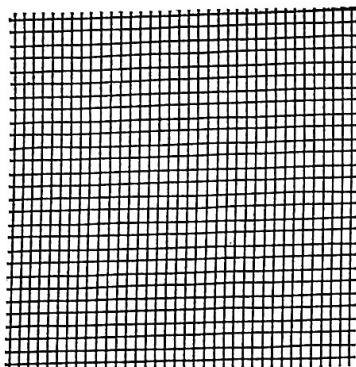
**insect wire screening and
brass & copper wire cloth**

CHASE BRASS & COPPER CO. — INCORPORATED — WATERBURY, CONN.

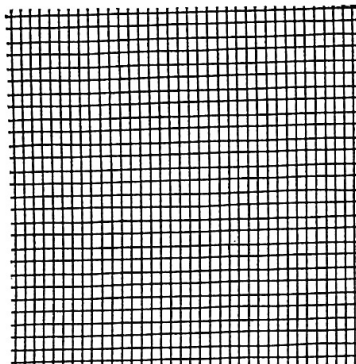
Subsidiary of Kennecott Copper Corporation



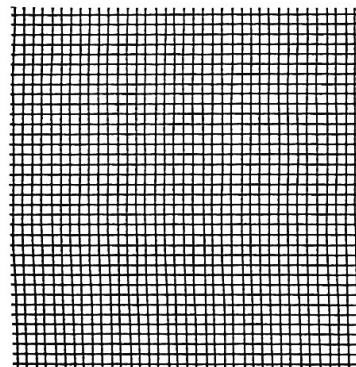
**alclad
aluminum
18 x 14 mesh**
.013" dia.



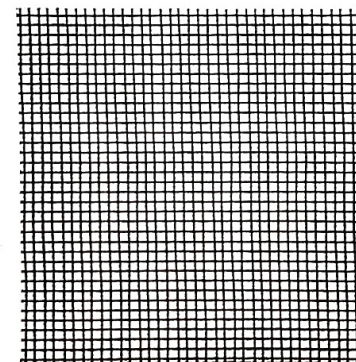
**bronze
18 x 14 mesh**
.011" dia.



**bronze
18 x 18 mesh**
.011" dia.



**type 316
stainless
steel
18 x 18 mesh**
.009" dia.



BRONZE AND ALCLAD ALUMINUM

Chase Bronze and Chase Alclad Aluminum Insect Wire Screening are quality products. They are both excellent corrosion-resistant metals for use in window, door and porch screens. Chase Insect Wire Screening is made in full widths and packaged in rolls of 100 linear feet. It is also carefully woven so that all openings are uniform, and each wire is double crimped to keep mesh firm and accurate.

Chase Insect Wire Screening complies with all the requirements of Commercial Standard CS-138-55 as developed by the industry under the procedure of the National Bureau of Standards and issued by the United States Department of Commerce.

sizes of mesh to use

The term mesh is generally understood to mean the number of openings in a linear inch and that is the standard by which our insect wire screening is manufactured.

For satisfactory service in guarding against mosquitoes and house flies, the following wire meshes are recommended:

bronze

18 x 14 mesh, .011" dia. wire.

18 x 18 mesh, .011" dia., Chase Bronze Insect Wire Screening should be used for protection against the smaller types of objectionable insects, such as gnats, etc.

alclad aluminum

18 x 14 mesh, .013" dia. wire.

This is screening with a natural Aluminum color.

available finishes

Bright Bronze — This screening has a bright lustrous natural bronze finish.

Antique Bronze — Where bright finish is undesirable, use antique finish insect wire screening which has a darker bronze color that will reduce the glare of sunlight. This finish in no way detracts from the corrosion-resisting qualities of the insect wire screening.

Alclad Aluminum — Chase Alclad Aluminum is recommended where aluminum color is desired.

standard widths

Chase Bronze and Chase Aluminum Insect Wire Screening are made in standard widths of 24", 26", 28", 30", 32", 34", 36", 42", and 48", and in intermediate widths up to 48" in full warp quantities, and 54", 60" and 72" widths. Most meshes and a wide range of widths are regularly carried in mill and warehouse stocks.

TYPE 316 STAINLESS STEEL

For maximum strength, minimum maintenance and long life Type 316 Stainless Steel Insect Wire Screening woven in 18 by 18 mesh of .009" diameter wire is recommended. Standard widths are 24", 26", 28", 30", 32", 34", 36", 42" and 48".

CHASE[®] insect wire screening

other uses for insect wire screening

Chase Insect Wire Screening is often specified to cover vents, fresh air intakes, and ventilator guards to prevent the passage of snow.

Extra fine meshes are usually specified for vision screens and bank window screens. Chase Copper Wire

Cloth is normally available for this purpose in 40, 50 and 60-mesh.

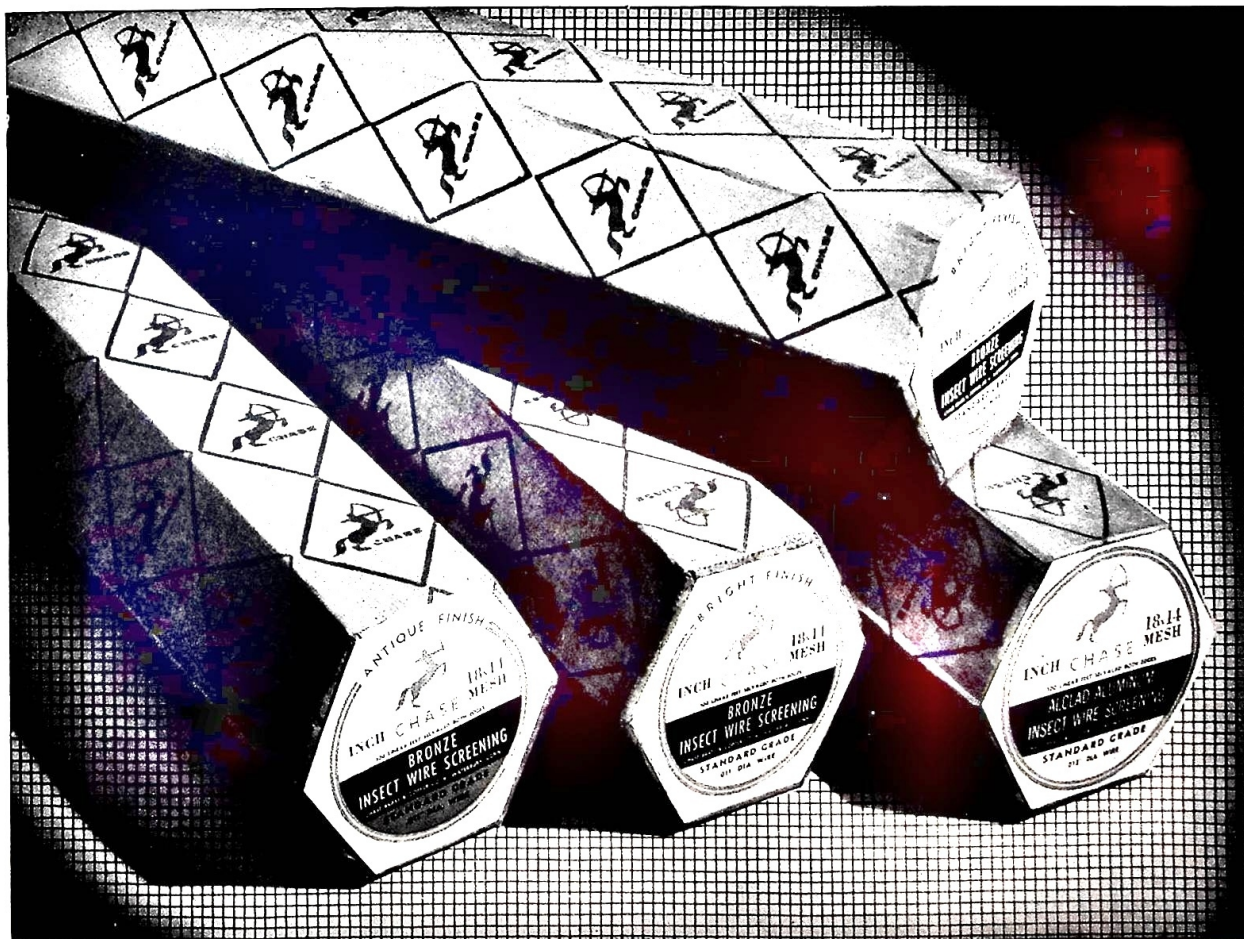
See pages 4, 5, 6 and 7 for information and illustrations of wire cloth for building and industrial uses.

packaging

Each roll of Chase Insect Wire Screening is packaged in a strong, attractive, hexagonal cardboard carton. This carton has an important advantage over the usual carton or paper wrapped roll because it protects the wire screening from dents that might occur in transit from the warehouse to the place where the screening will be used. The hexagonal shape also prevents rolling

and the cartons can be conveniently stored until ready for use.

The labels used on these cartons are in several colors, each color indicating a different type. Color labeling makes it possible to identify the different types of Insect Wire Screening at a glance.





CHASE quality

The quality of Chase Industrial Wire Cloth is carefully controlled. It is woven in a mill that specializes in weaving brass, copper and copper alloy wire cloth. The mesh is uniform and the wires are double crimped which helps to keep

all openings true and square. This accuracy of mesh is an important requirement for wire cloth used in mechanical separation, evaporation, drying, screening, sifting and refining operations.

how to order

The selection of wire cloth depends entirely upon how you are going to use it. The size of

the wire should generally be in proportion to the job to be done and the service it must give.

To avoid errors and misunderstandings, include the following information whenever ordering wire cloth:

1. Clearly state the end use of the wire cloth.
2. Chase Wire Cloth is regularly produced in Brass, Copper and Aluminum. Bronze, Stainless Steel and other alloys are available on special order. Be sure to specify the metal.
3. Full information should be given with every order to make certain that the mesh, space between wires, and the diameter of wire will not be confused. Refer to the construction information on this subject below.

CHASE delivery

The more popular sizes and types of brass and copper wire cloth are usually carried in Chase warehouse stocks and in normal times these

warehouse stocks are backed by large mill stocks.

construction

Double Crimp Corrugations in both warp and shute wire to lock wires in position.

Square Mesh Same mesh count, both parallel and at right angles to length of cloth.

Rectangular Mesh ... Off-count mesh not the same dimensions in both directions.

Roll 100 linear feet or more.

Warp Wires Wire running parallel to the length of cloth.

Shute Wires Sometimes called "fill". Wires running directly across the cloth at right angles to the "warp" wires.

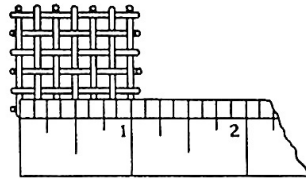
Plain Weave Each wire is woven over one and under the next wire.

Gauge Decimal of wire diameter.

Count Number of openings per linear inch.

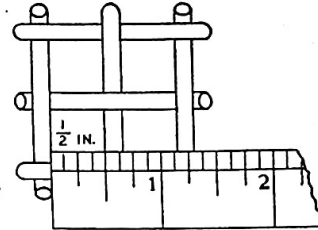
CHASE brass and copper wire cloth

mesh



Mesh in wire cloth is the number of openings per linear inch. To count the openings in an inch, measure from the center of a wire to a point 1 inch distant; thus 6 mesh counts 6 openings in the inch.

space



The actual opening between the wires is known as "space". Where the mesh is specified in fractions of an inch, such as $\frac{1}{2}$ " space, it is understood to mean a $\frac{1}{2}$ " opening between the wires.

coarse meshes

For building uses, copper is generally employed, especially for exposed guards, strainers, etc. For industrial uses, brass, because of its greater resistance to corrosion and greater strength, is recommended. Typical uses are as follows: gutter, ventilator, and skylight guards; door and window grills; strainers, baskets, trays and spark arresters. It is also being widely used in floor and room installations for control of static electricity.

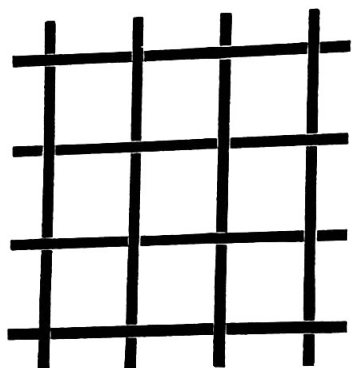
intermediate coarse meshes

In buildings, for fireplace grilles, reinforcement for lighter grades of cloth, etc. Industrially, for filtering paint, oil, water, etc.; for machine guards, pipe filters, plating work, etc. (brass recommended because of heat) and for countless kinds of refining, drying, etc. Brass is recommended for most of these applications because of corrosion-resistance and non-staining properties. Copper is being extensively used in radar and mechanical installations for shielding control of electrical interference.

medium meshes

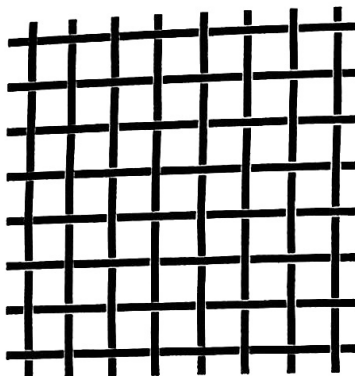
Meshes from 40 to 100 find innumerable uses in laboratory work, food preparation, screens for flame-proof lamps, fuel strainers and spraying equipment. In the building field their use includes vision screens.

uses



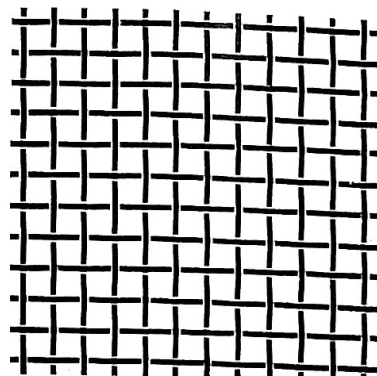
2 mesh

2 Mesh .063" 76.4% Open Area



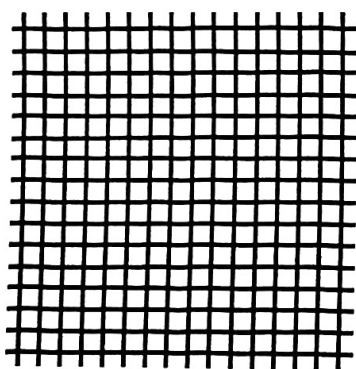
4 mesh

4 Mesh .017" 65.9% Open Area



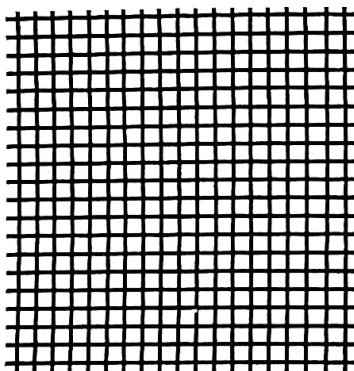
6 mesh

6 Mesh .035" 62.7% Open Area



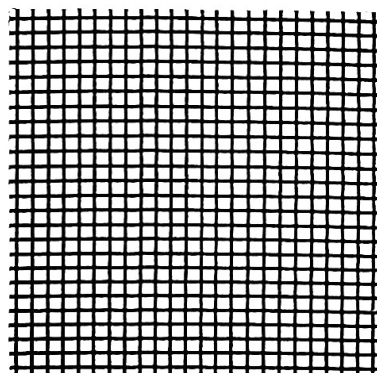
8 mesh

8 Mesh .028" 60.2% Open Area



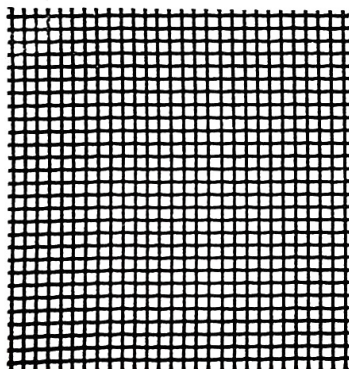
10 mesh

10 Mesh .025" 56.3% Open Area



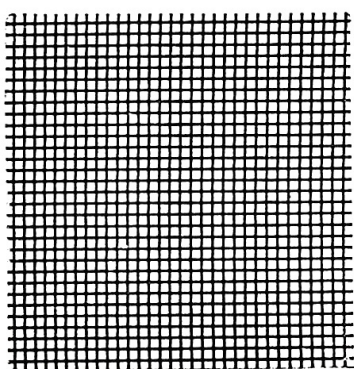
12 mesh

12 Mesh .023" 51.8% Open Area



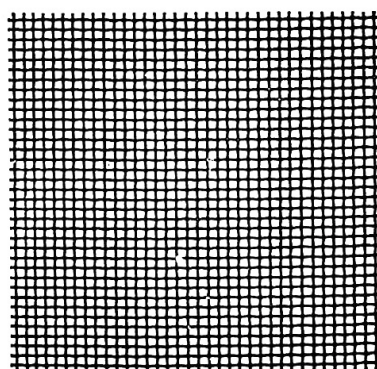
14 mesh

14 Mesh .020" 51.0% Open Area



16 mesh

16 Mesh .018" 50.7% Open Area

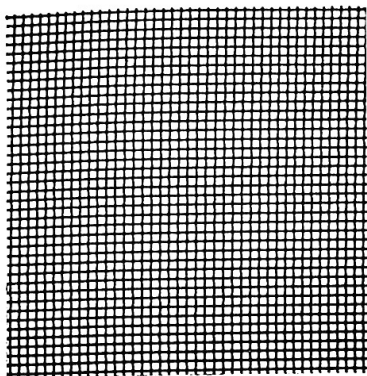


18 mesh

18 Mesh .017" 48.3% Open Area

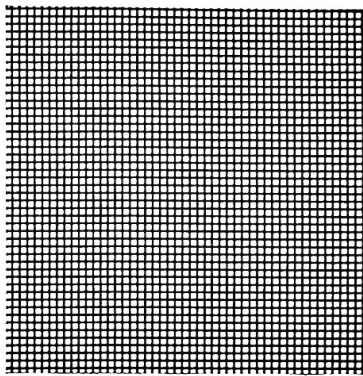
CHASE brass and copper wire cloth

(Illustrations are approximate actual size)



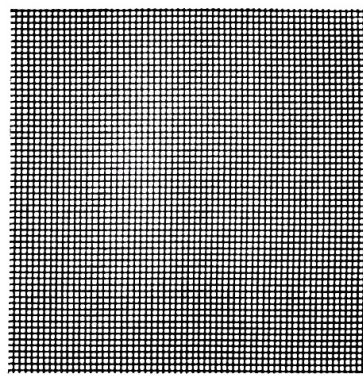
20 mesh

20 Mesh .016" 46.2% Open Area



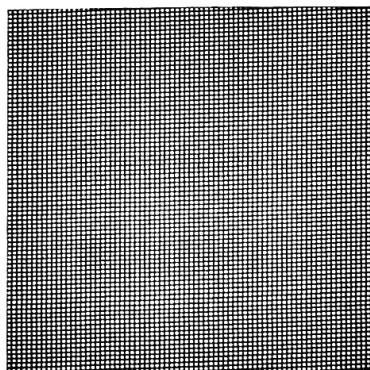
24 mesh

24 Mesh .0135" 45.8% Open Area



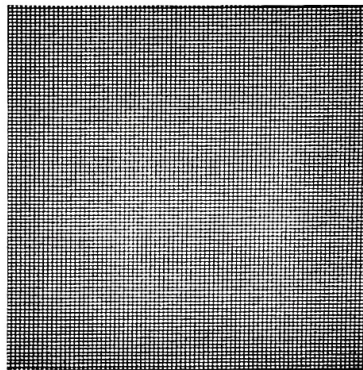
30 mesh

30 Mesh .012" 40.8% Open Area



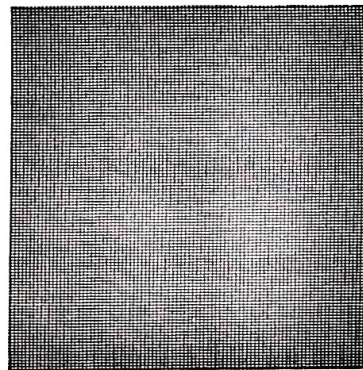
40 mesh

40 x 33 Mesh .010"



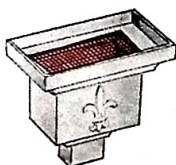
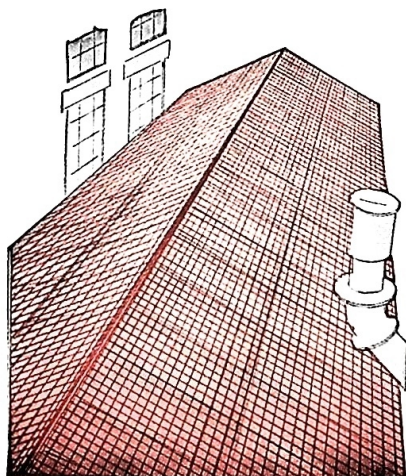
50 mesh

50 x 40 Mesh .009"



60 mesh

60 x 50 Mesh .0075"



Coarse meshes of wire cloth illustrated above and on page 6 are widely used in both the building and industrial equipment fields. Typical uses are as follows:

GUTTER GUARDS	WASHING AND CLEANING TRAYS
VENTILATOR GUARDS	SPILLWAY STRAINERS
SKYLIGHT GUARDS	SPARK ARRESTERS
DOOR GRILLES	DIPPING BASKETS
WINDOW GRILLES	DEHYDRATING AND
LOUVRE SCREENS	AERATING TRAYS

Copper is usually selected for all types of exposed guards and strainers. Brass wire cloth is used for industrial equipment because it is stronger than copper and will resist many more types of corrosive solutions.



CHASE[®]

BRASS & COPPER WIRE CLOTH

COPPER FLASHING and ROOFING PRODUCTS

COPPER WATER TUBE and BRASS & COPPER PIPE

3

CATALOGS IN SWEETS

Index Numbers as shown at left.

CHASE WAREHOUSES AND SALES OFFICES

Atlanta 10, Ga.
695 Stewart Avenue, S. W.

Baltimore 30, Md.
1315 Key Highway

Boston 4, Mass.
411 "D" Street

Chicago 39, Ill.
5401 West Grand Avenue

Cincinnati 2, Ohio
222 Post Square

Cleveland 3, Ohio
4000 Chester Avenue

Dallas 7, Texas
119 Pittsburg Street

Denver 16, Colo.
5101 Colorado Blvd.

Detroit 38, Mich.
14480 Woodrow Wilson Avenue

Houston 1, Texas
16 Drennan Street

Indianapolis 25, Ind.
520 South New Jersey Street

Kansas City 8, Mo.
1710 Washington Street

Los Angeles 54, Calif.
6500 East Washington Boulevard

Milwaukee 3, Wisc.
1741 West St. Paul Avenue

Minneapolis 3, Minn.
145 North 10th Street

Newark 8, N. J.
188 Badger Avenue

New Orleans 2, La.
751 Baronne Street

New York, N. Y.
Maspeth 78, L. I., N. Y.
55-60 58th Street

Philadelphia 40, Pa.
20th and Venango Streets

Pittsburgh 33, Pa.
1001 Brighton Road

Providence 1, R. I.
66 Branch Avenue

St. Louis 10, Mo.
4641 McRee Avenue

San Francisco, Calif.
230 Shaw Road
South San Francisco

Seattle 4, Wash.
1957 1st Avenue, South

Waterbury 20, Conn.
40 East Farm Street

CHASE SALES OFFICES

Charlotte 2, N. C., Grand Rapids, Mich., Rochester 14, N. Y.

CHASE SALES REPRESENTATIVES

Albany, N. Y. - Des Moines, Iowa - Hartford, Conn. - Jackson, Miss. - Louisville, Ky. - Memphis, Tenn.
Miami, Fla. - Portland, Ore. - Richmond, Va. - Rockford, Ill. - Salt Lake City, Utah - South Bend, Ind.
Springfield, Mass. - Tulsa, Okla. - Wichita, Kansas

CHASE MILLS

Waterbury 20, Conn., and Cleveland 32, Ohio

CHASE BRASS & COPPER CO. — INCORPORATED — WATERBURY, CONN.

subsidiary of Kennecott Copper Corporation

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